

Data Path : Z:\voasrv\HPCHEM1\MSVOA_N\Data\VN050421\
 Data File : VN066962.D
 Acq On : 5 May 2021 2:45
 Operator : JC/MD
 Sample : M2256-06
 Misc : 5.00mL/MSVOA_N/WATER
 ALS Vial : 41 Sample Multiplier: 1

Instrument :
 MSVOA_N
 ClientSampleId :

Quant Time: May 05 07:49:27 2021
 Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N050421W.M
 Quant Title : SW846 8260
 QLast Update : Wed May 05 07:24:52 2021
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

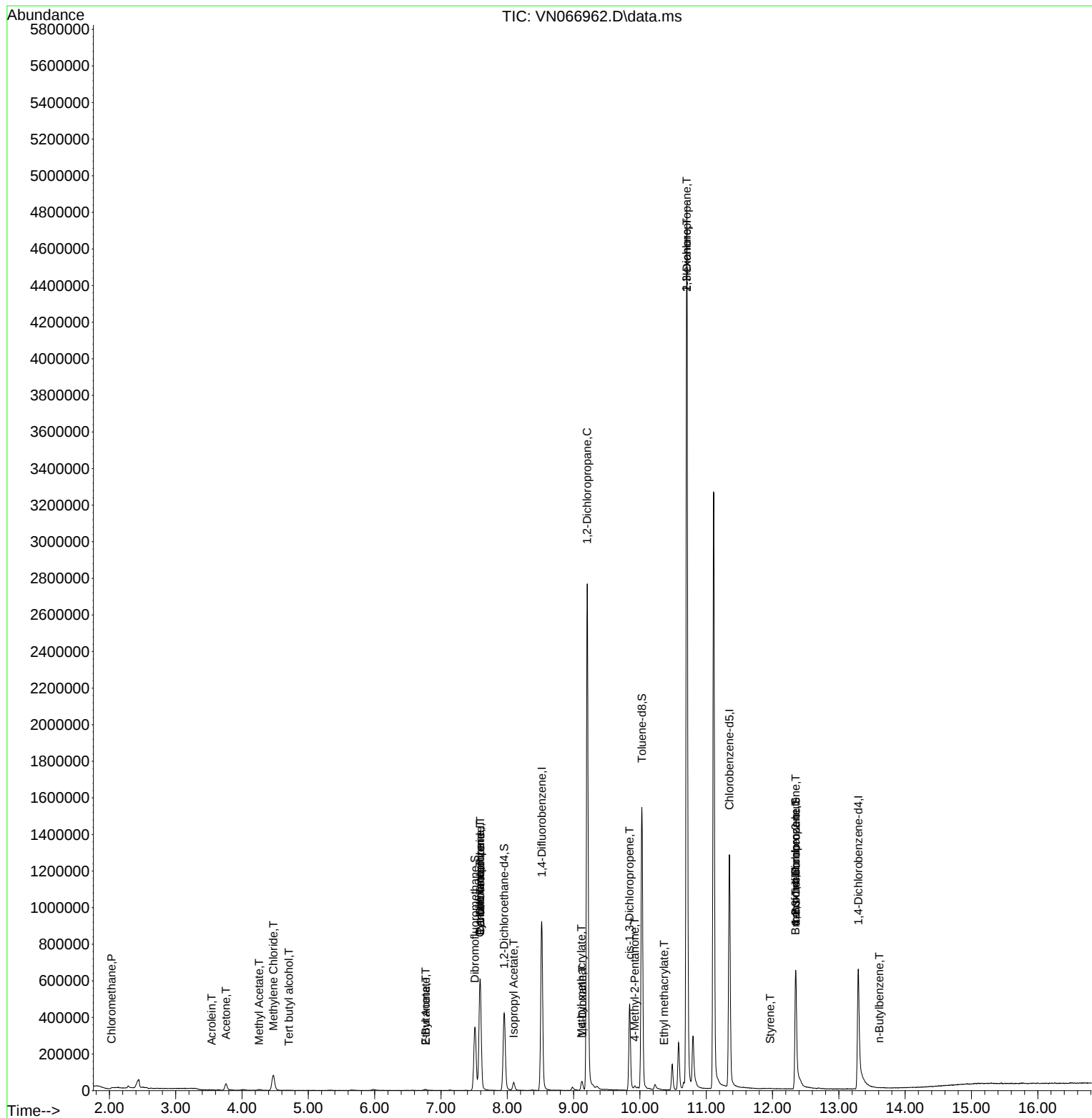
Internal Standards						
1) Pentafluorobenzene	7.592	168	467801	50.00	ug/l	0.00
34) 1,4-Difluorobenzene	8.520	114	792189	50.00	ug/l	0.00
63) Chlorobenzene-d5	11.350	117	738308	50.00	ug/l	0.00
72) 1,4-Dichlorobenzene-d4	13.294	152	250111	50.00	ug/l	0.00
System Monitoring Compounds						
33) 1,2-Dichloroethane-d4	7.954	65	384116	52.17	ug/l	0.00
Spiked Amount 50.000	Range 61 - 141		Recovery = 104.34%			
35) Dibromofluoromethane	7.512	113	269814	50.16	ug/l	0.00
Spiked Amount 50.000	Range 69 - 133		Recovery = 100.32%			
50) Toluene-d8	10.030	98	1056690	51.58	ug/l	0.00
Spiked Amount 50.000	Range 65 - 126		Recovery = 103.16%			
62) 4-Bromofluorobenzene	12.350	95	311317	44.88	ug/l	0.00
Spiked Amount 50.000	Range 58 - 135		Recovery = 89.76%			
Target Compounds					Qvalue	
3) Chloromethane	2.032	50	2158	0.24	ug/l	99
11) Tert butyl alcohol	4.706	59	484	0.47	ug/l #	73
13) Acrolein	3.540	56	528	0.61	ug/l #	74
16) Acetone	3.757	43	56839	21.94	ug/l	98
18) Methyl Acetate	4.258	43	9140	1.23	ug/l #	59
20) Methylene Chloride	4.473	84	61416	9.35	ug/l	95
25) 2-Butanone	6.771	43	9574	2.51	ug/l	98
31) Cyclohexane	7.587	56	11783	1.14	ug/l #	3
36) 1,1-Dichloropropene	7.589	75	41822	5.07	ug/l #	48
37) Ethyl Acetate	6.771	43	9574	1.14	ug/l #	68
38) Carbon Tetrachloride	7.592	117	49798	5.79	ug/l #	18
43) Isopropyl Acetate	8.096	43	53321	3.91	ug/l #	89
45) 1,2-Dichloropropane	9.204	63	3561	0.49	ug/l #	44
48) Methyl methacrylate	9.118	41	12186	2.01	ug/l #	10
49) 1,4-Dioxane	9.132	88	49	0.51	ug/l #	1
51) 4-Methyl-2-Pentanone	9.923	43	15233	1.93	ug/l	95
54) cis-1,3-Dichloropropene	9.845	75	88157	8.12	ug/l #	64
56) Ethyl methacrylate	10.365	69	155	5.21	ug/l #	27
57) 1,3-Dichloropropane	10.709	76	47746	4.46	ug/l #	43
59) 2-Hexanone	10.706	43	704555	136.69	ug/l #	50
70) Styrene	11.964	104	58	4.71	ug/l #	47
71) Bromoform	12.345	173	1201	0.27	ug/l #	1
76) 1,2,3-Trichloropropane	12.350	75	150896	25.33	ug/l #	100
81) trans-1,4-Dichloro-2-b...	12.350	75	150896	76.14	ug/l #	12
89) n-Butylbenzene	13.613	91	55	5.24	ug/l #	6

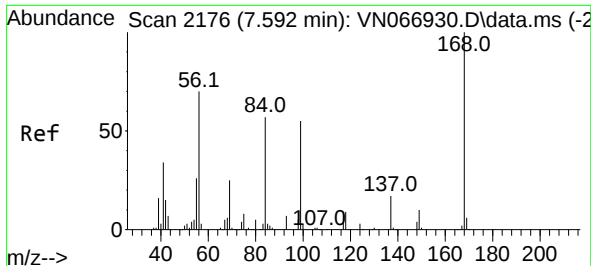
(#) = qualifier out of range (m) = manual integration (+) = signals summed

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Quant Time: May 05 07:49:27 2021
Quant Method : Z:\voasrv\HPCHEM1\MSVOA_N\methods\82N050421W.M
Quant Title : SW846 8260
QLast Update : Wed May 05 07:24:52 2021
Response via : Initial Calibration

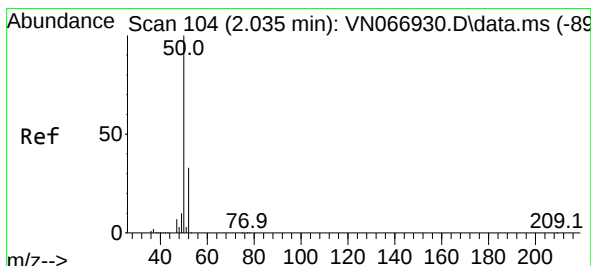
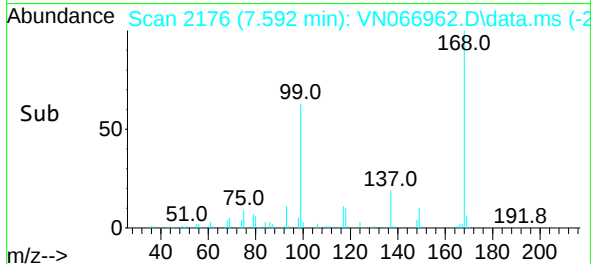
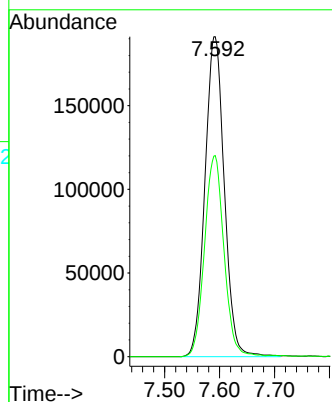
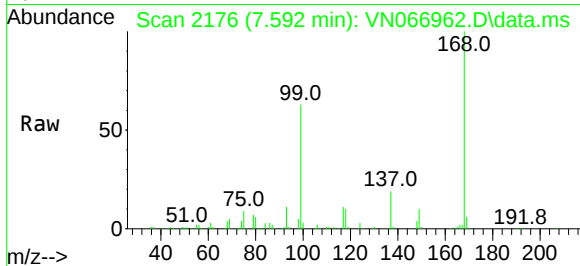




#1
Pentafluorobenzene
Concen: 50.00 ug/l
RT: 7.592 min Scan# 2176
Delta R.T. 0.000 min
Lab File: VN066962.D
Acq: 5 May 2021 2:45

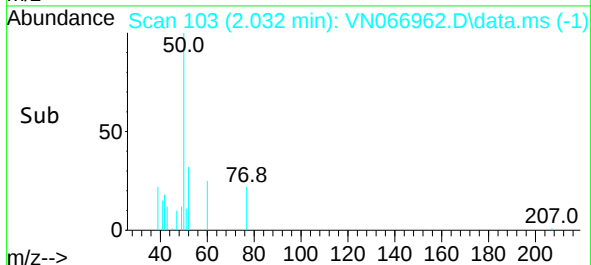
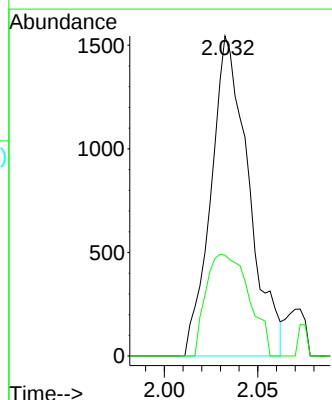
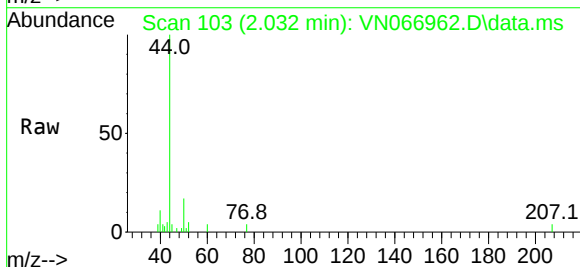
Instrument :
MSVOA_N
ClientSampled :

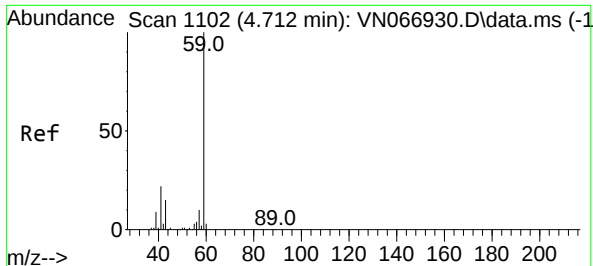
Tgt Ion:168 Resp: 467801
Ion Ratio Lower Upper
168 100
99 62.9 42.6 63.8



#3
Chloromethane
Concen: 0.24 ug/l
RT: 2.032 min Scan# 103
Delta R.T. -0.003 min
Lab File: VN066962.D
Acq: 5 May 2021 2:45

Tgt Ion: 50 Resp: 2158
Ion Ratio Lower Upper
50 100
52 31.5 25.8 38.8



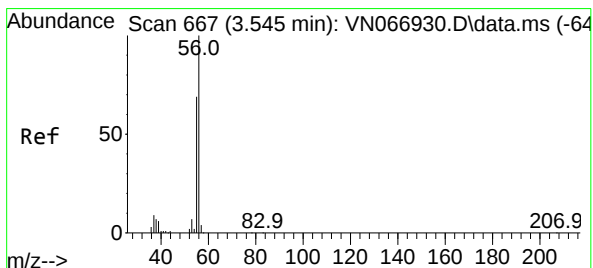
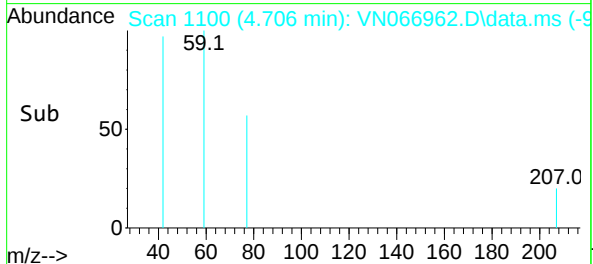
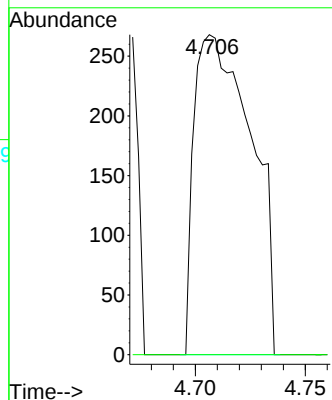
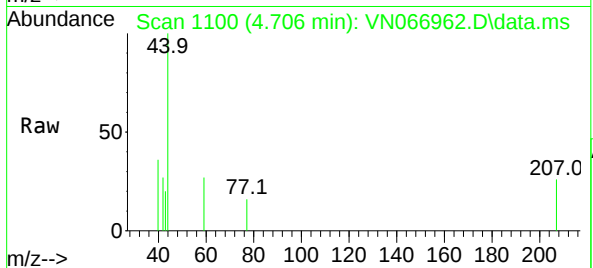


#11

Tert butyl alcohol
Concen: 0.47 ug/l
RT: 4.706 min Scan# 1100
Delta R.T. -0.006 min
Lab File: VN066962.D
Acq: 5 May 2021 2:45

Instrument :
MSVOA_N
ClientSampled :

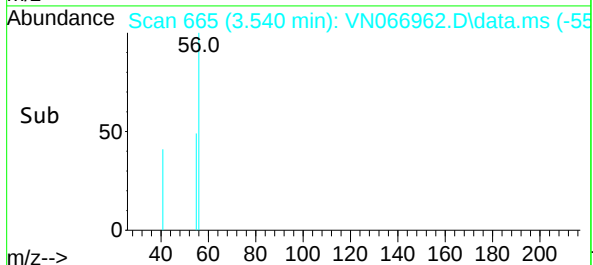
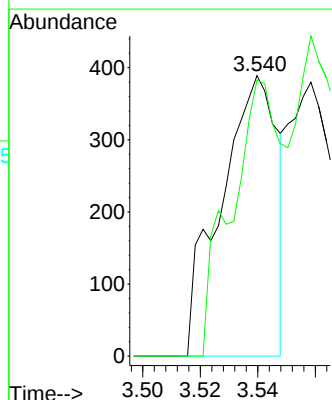
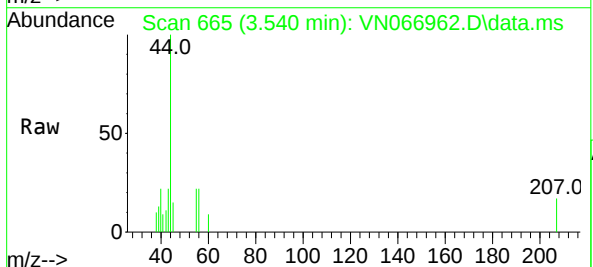
Tgt Ion: 59 Resp: 484
Ion Ratio Lower Upper
59 100
57 0.0 8.0 12.0#

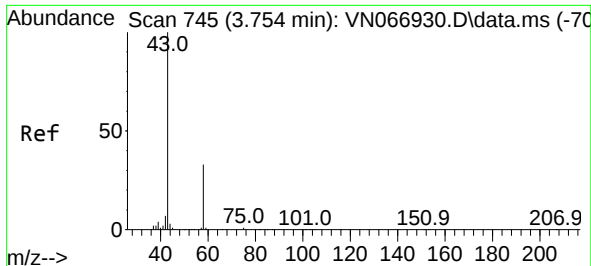


#13

Acrolein
Concen: 0.61 ug/l
RT: 3.540 min Scan# 665
Delta R.T. -0.005 min
Lab File: VN066962.D
Acq: 5 May 2021 2:45

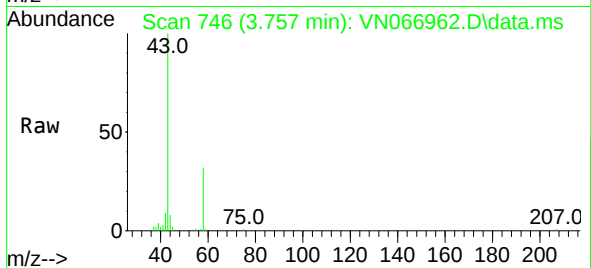
Tgt Ion: 56 Resp: 528
Ion Ratio Lower Upper
56 100
55 91.1 56.0 84.0#



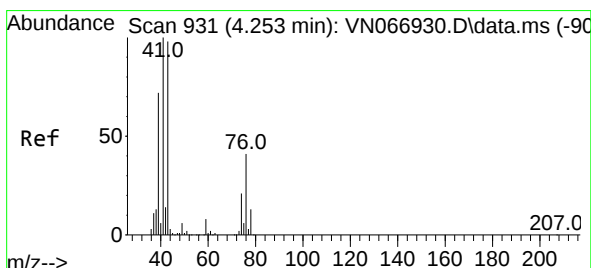
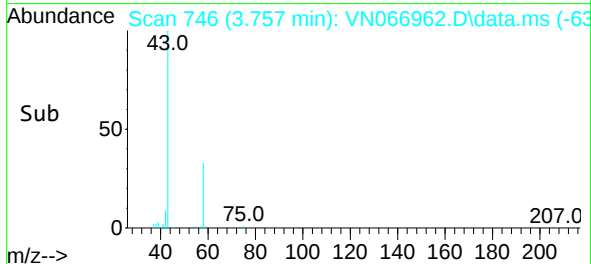
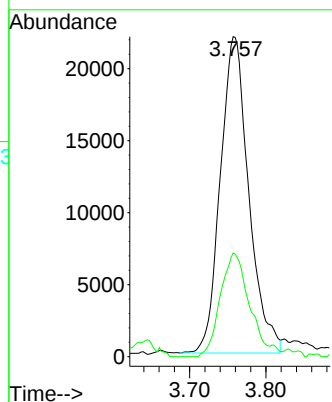


#16
Acetone
Concen: 21.94 ug/l
RT: 3.757 min Scan# 746
Delta R.T. 0.003 min
Lab File: VN066962.D
Acq: 5 May 2021 2:45

Instrument :
MSVOA_N
ClientSampled :

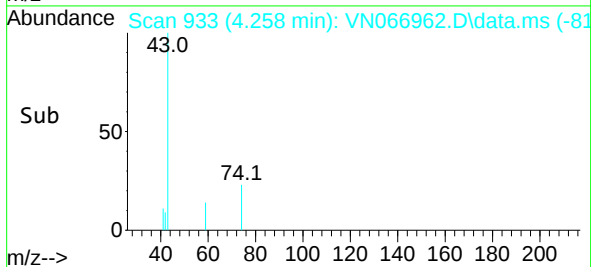
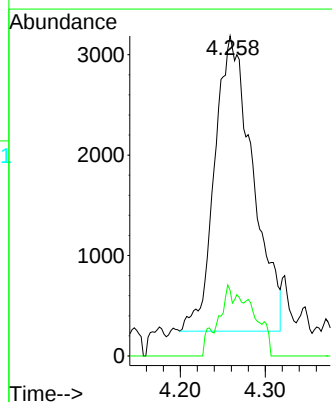
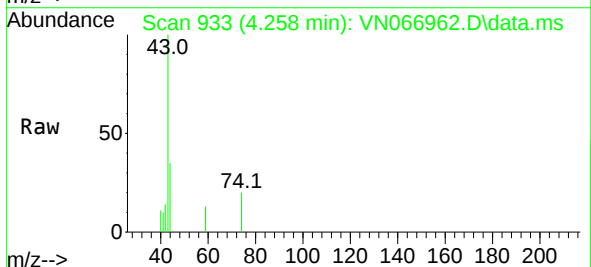


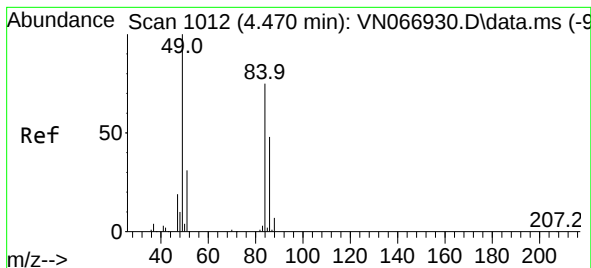
Tgt Ion: 43 Resp: 56839
Ion Ratio Lower Upper
43 100
58 32.8 27.0 40.6



#18
Methyl Acetate
Concen: 1.23 ug/l
RT: 4.258 min Scan# 933
Delta R.T. 0.005 min
Lab File: VN066962.D
Acq: 5 May 2021 2:45

Tgt Ion: 43 Resp: 9140
Ion Ratio Lower Upper
43 100
74 3.9 19.5 29.3#





#20

Methylene Chloride

Concen: 9.35 ug/l

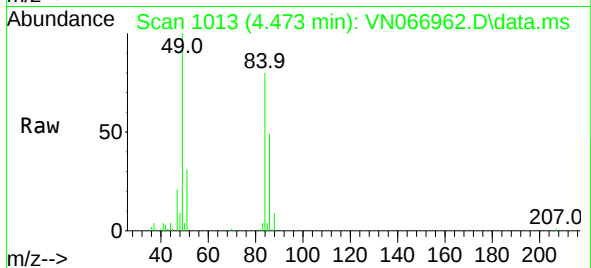
RT: 4.473 min Scan# 1013

Delta R.T. 0.003 min

Lab File: VN066962.D

Acq: 5 May 2021 2:45

Instrument :
MSVOA_N
ClientSampled :



Tgt Ion: 84 Resp: 61416

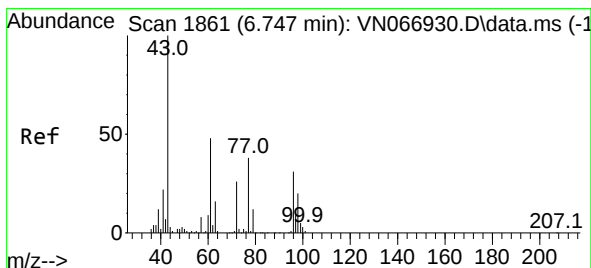
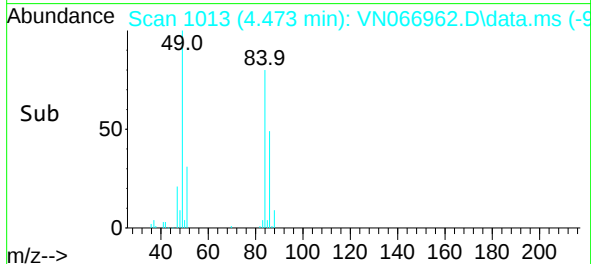
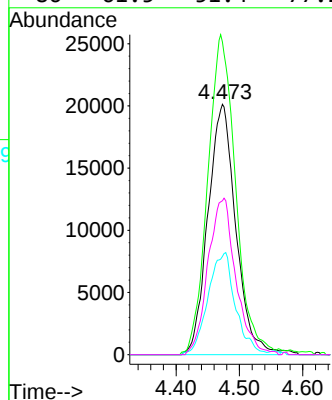
Ion Ratio Lower Upper

84 100

49 124.9 94.6 141.8

51 39.2 29.9 44.9

86 61.5 51.4 77.2



#25

2-Butanone

Concen: 2.51 ug/l

RT: 6.771 min Scan# 1870

Delta R.T. 0.024 min

Lab File: VN066962.D

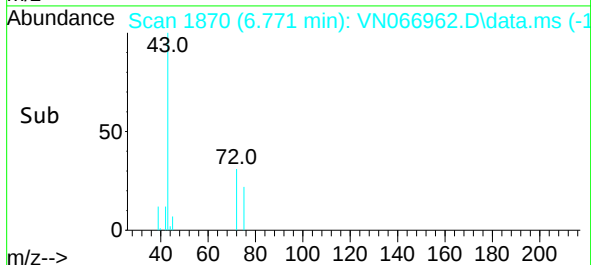
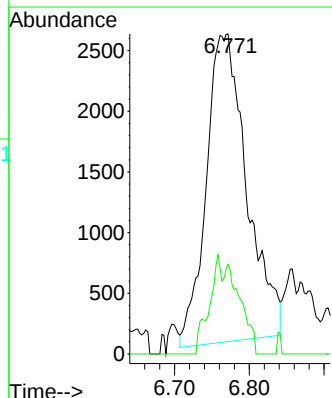
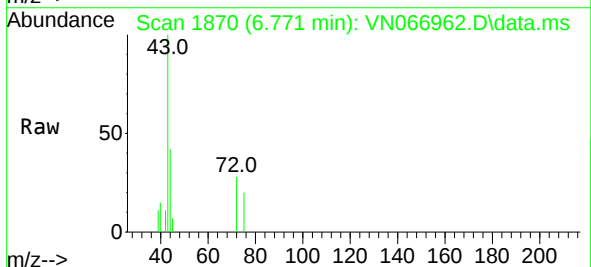
Acq: 5 May 2021 2:45

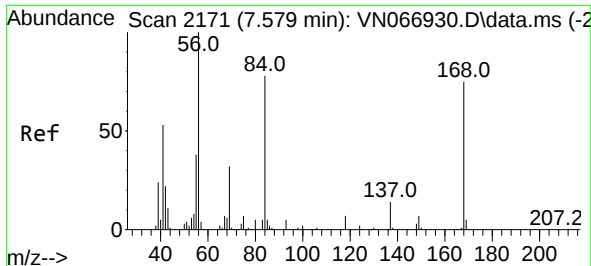
Tgt Ion: 43 Resp: 9574

Ion Ratio Lower Upper

43 100

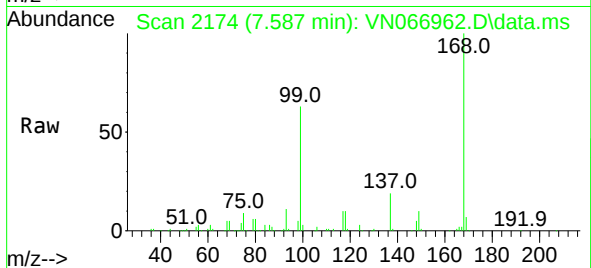
72 29.7 23.1 34.7



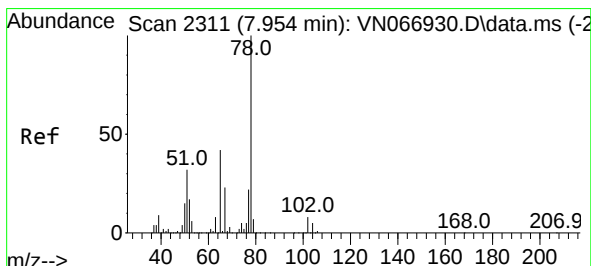
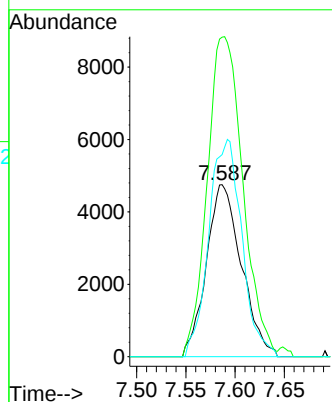
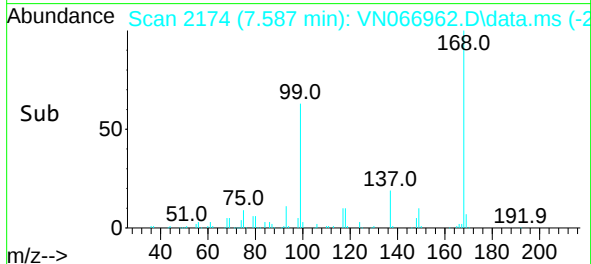


#31
Cyclohexane
Concen: 1.14 ug/l
RT: 7.587 min Scan# 2174
Delta R.T. 0.008 min
Lab File: VN066962.D
Acq: 5 May 2021 2:45

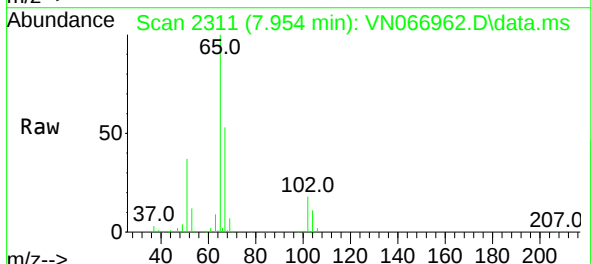
Instrument :
MSVOA_N
ClientSampled :



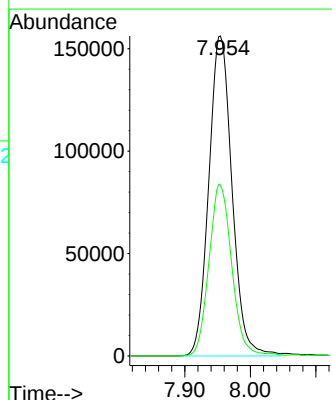
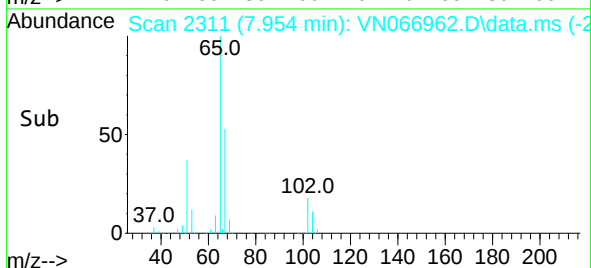
Tgt Ion: 56 Resp: 11783
Ion Ratio Lower Upper
56 100
69 185.9 26.6 39.8#
84 117.6 70.4 105.6#

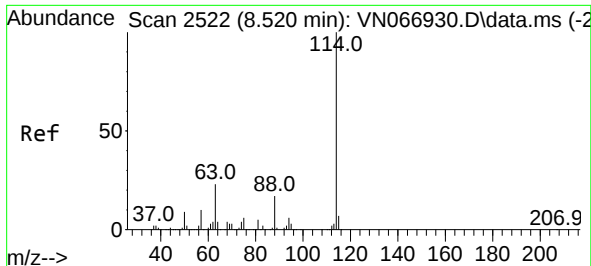


#33
1,2-Dichloroethane-d4
Concen: 52.17 ug/l
RT: 7.954 min Scan# 2311
Delta R.T. 0.000 min
Lab File: VN066962.D
Acq: 5 May 2021 2:45



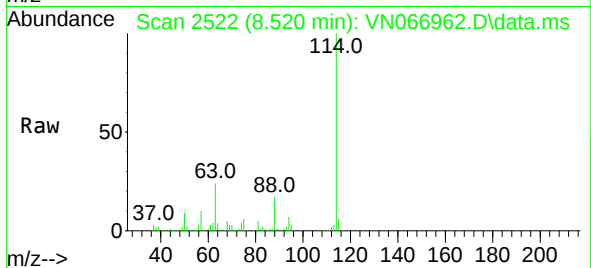
Tgt Ion: 65 Resp: 384116
Ion Ratio Lower Upper
65 100
67 52.4 0.0 107.2



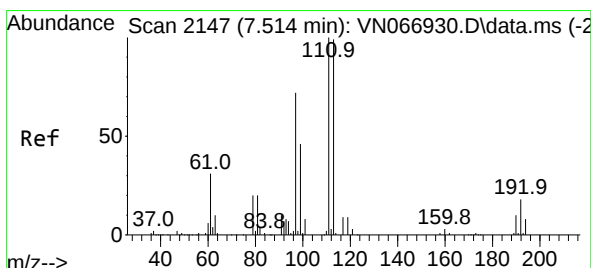
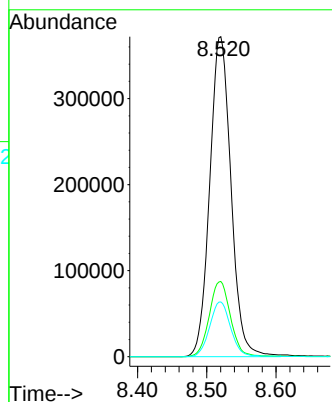
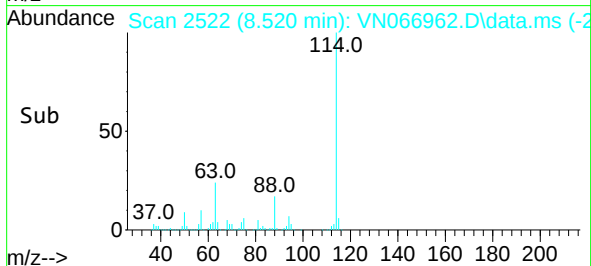


#34
1,4-Difluorobenzene
Concen: 50.00 ug/l
RT: 8.520 min Scan# 2522
Delta R.T. 0.000 min
Lab File: VN066962.D
Acq: 5 May 2021 2:45

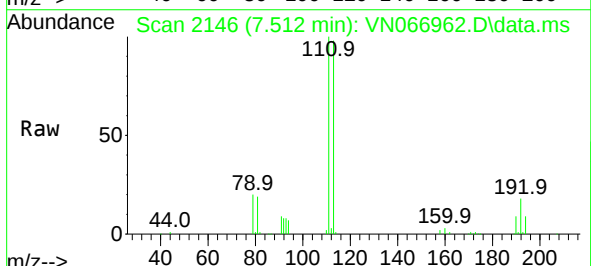
Instrument :
MSVOA_N
ClientSampled :



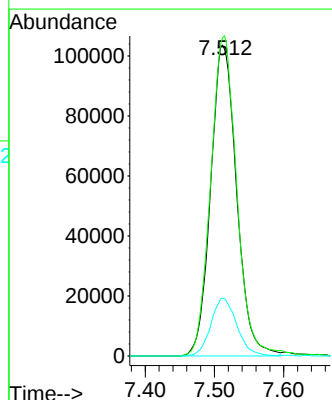
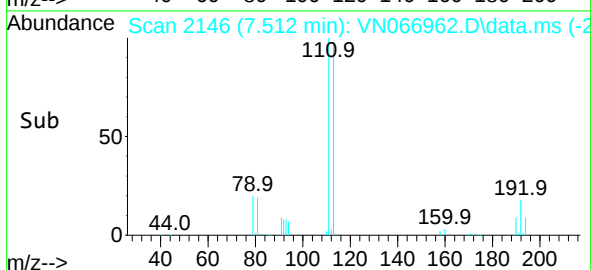
Tgt Ion:114 Resp: 792189
Ion Ratio Lower Upper
114 100
63 23.5 0.0 38.6
88 17.1 0.0 30.6

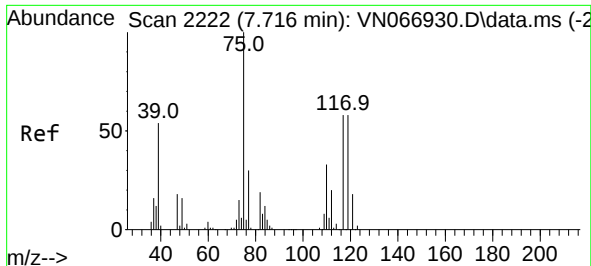


#35
Dibromofluoromethane
Concen: 50.16 ug/l
RT: 7.512 min Scan# 2146
Delta R.T. -0.002 min
Lab File: VN066962.D
Acq: 5 May 2021 2:45



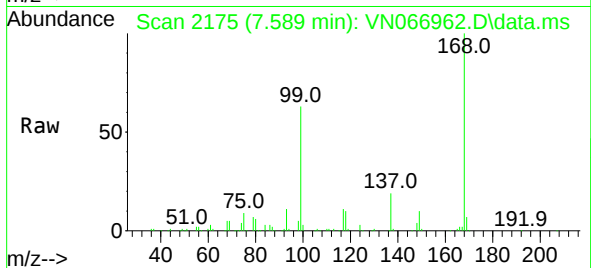
Tgt Ion:113 Resp: 269814
Ion Ratio Lower Upper
113 100
111 103.8 82.2 123.2
192 18.6 15.4 23.0



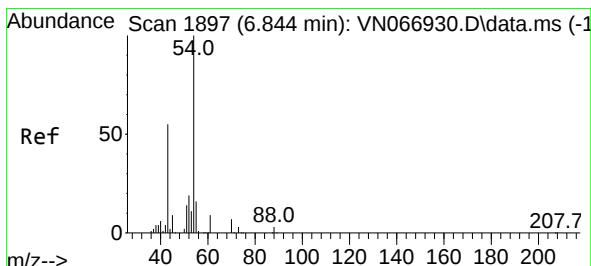
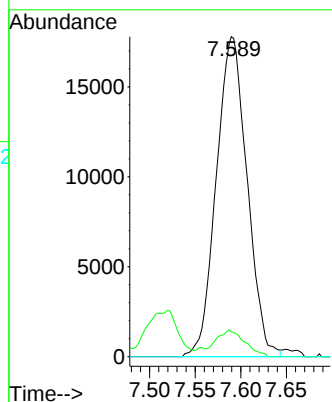
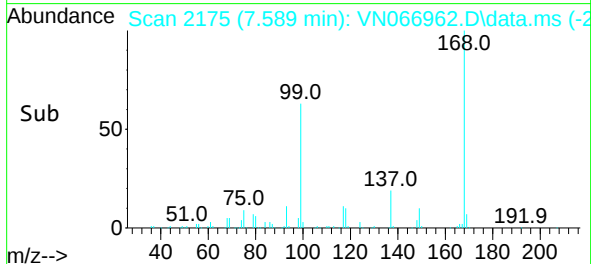


#36
1,1-Dichloropropene
Concen: 5.07 ug/l
RT: 7.589 min Scan# 2175
Delta R.T. -0.127 min
Lab File: VN066962.D
Acq: 5 May 2021 2:45

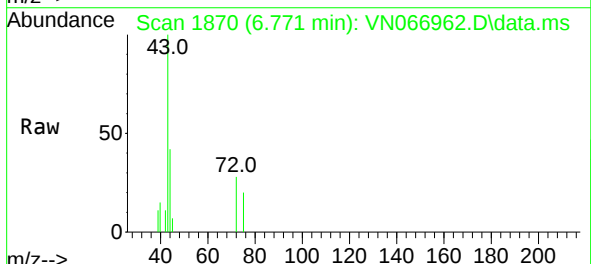
Instrument :
MSVOA_N
ClientSampleId :



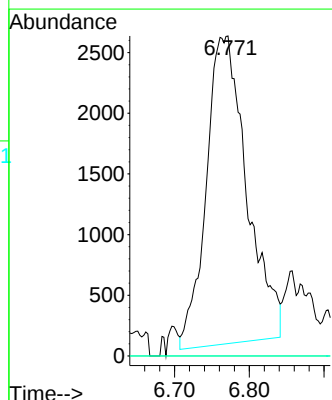
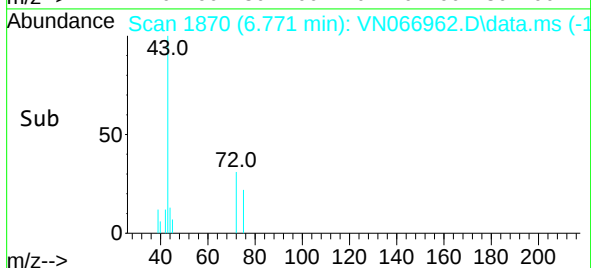
Tgt Ion: 75 Resp: 41822
Ion Ratio Lower Upper
75 100
110 7.7 18.2 54.6#
77 0.0 24.9 37.3#

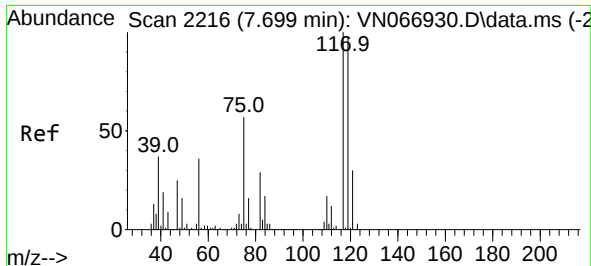


#37
Ethyl Acetate
Concen: 1.14 ug/l
RT: 6.771 min Scan# 1870
Delta R.T. -0.073 min
Lab File: VN066962.D
Acq: 5 May 2021 2:45



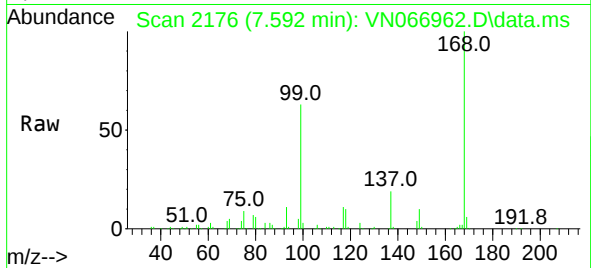
Tgt Ion: 43 Resp: 9574
Ion Ratio Lower Upper
43 100
61 0.0 11.6 17.4#
70 0.0 8.6 13.0#



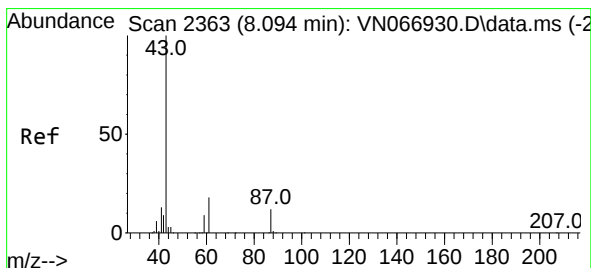
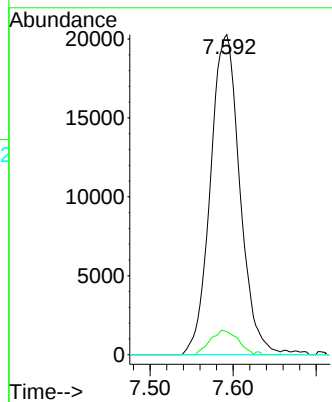
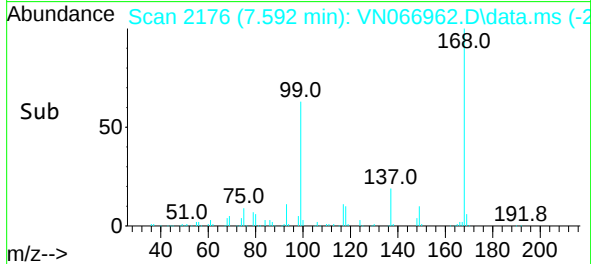


#38
Carbon Tetrachloride
Concen: 5.79 ug/l
RT: 7.592 min Scan# 2176
Delta R.T. -0.107 min
Lab File: VN066962.D
Acq: 5 May 2021 2:45

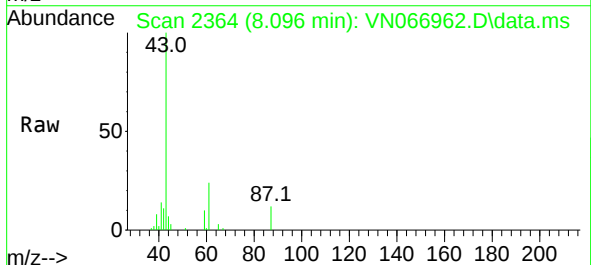
Instrument :
MSVOA_N
ClientSampled :



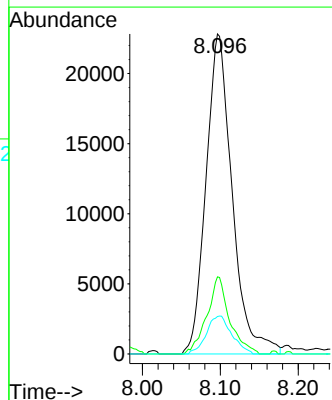
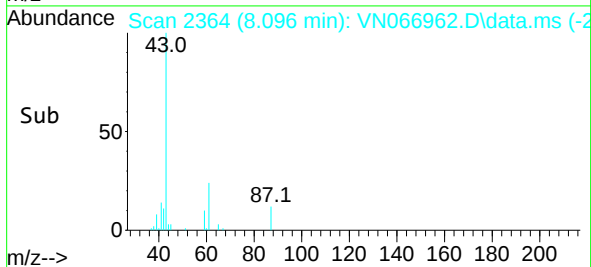
Tgt Ion: 117 Resp: 49798
Ion Ratio Lower Upper
117 100
119 7.2 76.0 114.0#
121 0.0 24.5 36.7#

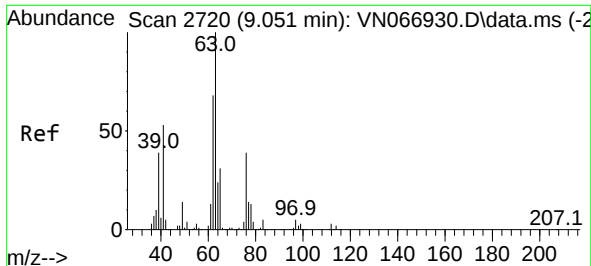


#43
Isopropyl Acetate
Concen: 3.91 ug/l
RT: 8.096 min Scan# 2364
Delta R.T. 0.002 min
Lab File: VN066962.D
Acq: 5 May 2021 2:45



Tgt Ion: 43 Resp: 53321
Ion Ratio Lower Upper
43 100
61 20.9 22.5 33.7#
87 11.5 11.1 16.7



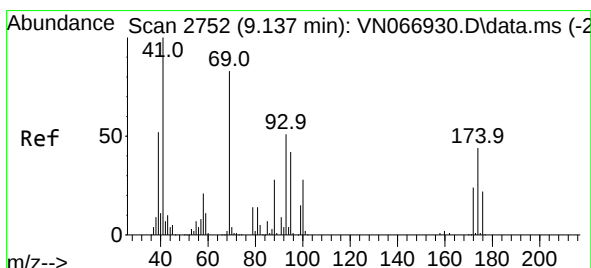
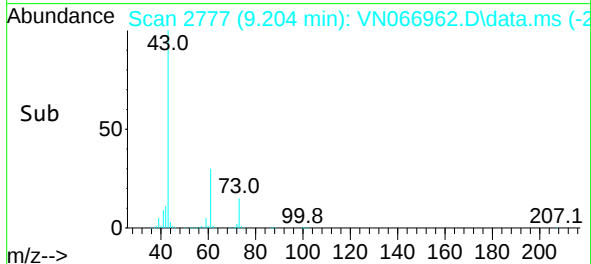
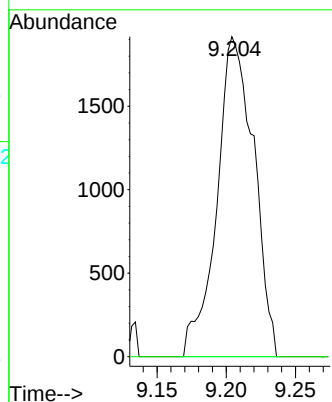
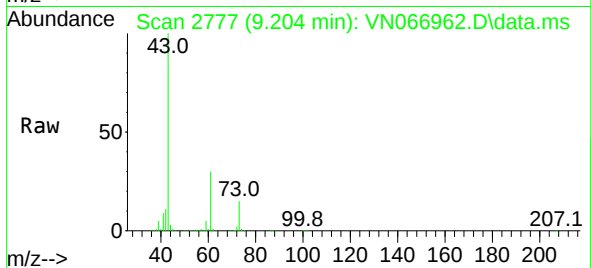


#45

1,2-Dichloropropane
Concen: 0.49 ug/l
RT: 9.204 min Scan# 2777
Delta R.T. 0.153 min
Lab File: VN066962.D
Acq: 5 May 2021 2:45

Instrument :
MSVOA_N
ClientSampled :

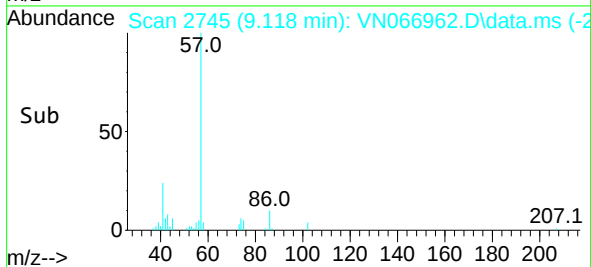
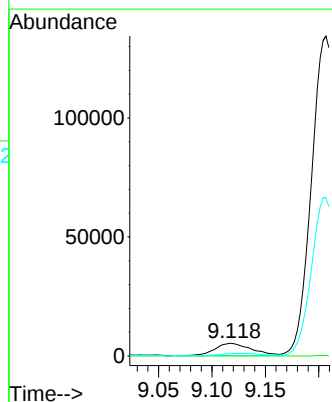
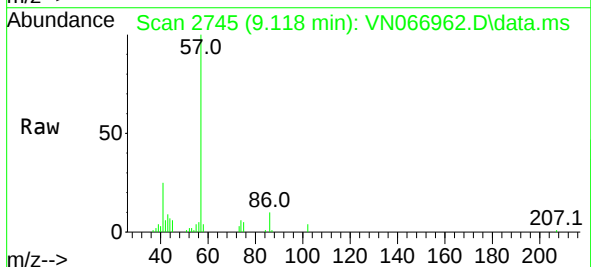
Tgt Ion: 63 Resp: 3561
Ion Ratio Lower Upper
63 100
65 0.0 24.9 37.3#

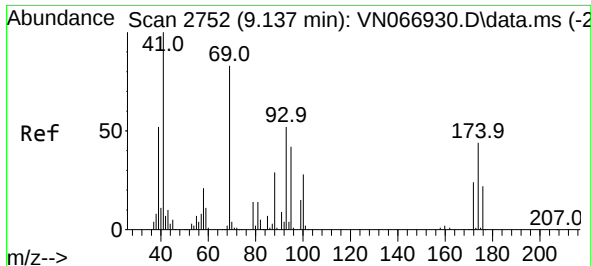


#48

Methyl methacrylate
Concen: 2.01 ug/l
RT: 9.118 min Scan# 2745
Delta R.T. -0.019 min
Lab File: VN066962.D
Acq: 5 May 2021 2:45

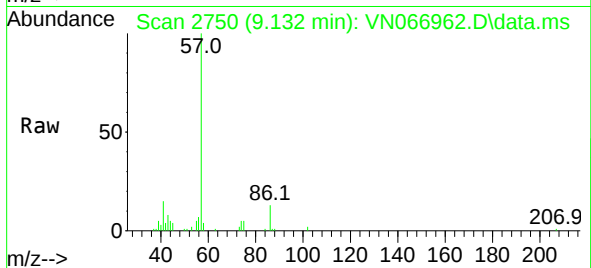
Tgt Ion: 41 Resp: 12186
Ion Ratio Lower Upper
41 100
69 0.0 75.9 113.9#
39 0.0 46.6 69.8#



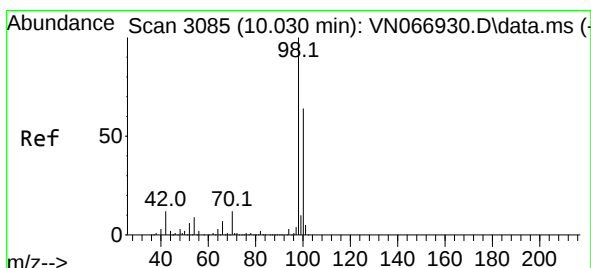
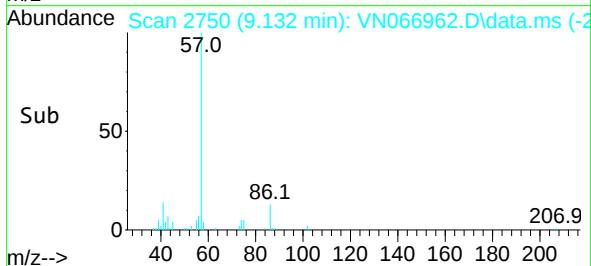
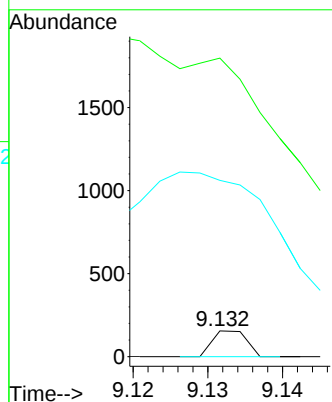


#49
1,4-Dioxane
Concen: 0.51 ug/l
RT: 9.132 min Scan# 2750
Delta R.T. -0.005 min
Lab File: VN066962.D
Acq: 5 May 2021 2:45

Instrument :
MSVOA_N
ClientSampled :

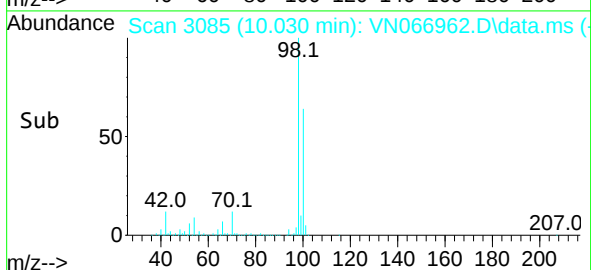
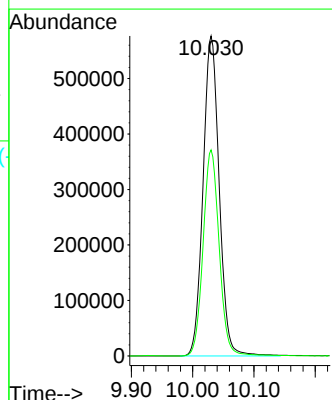
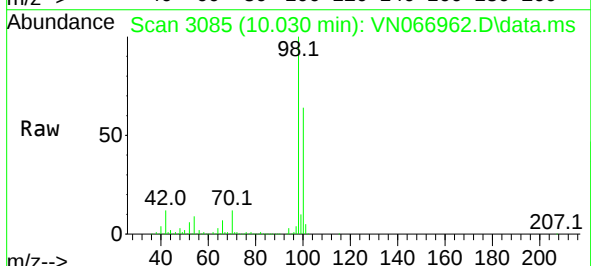


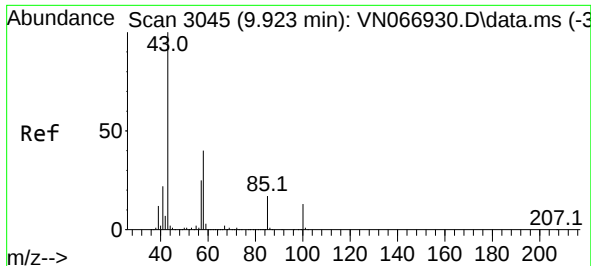
Tgt Ion: 88 Resp: 49
Ion Ratio Lower Upper
88 100
43 0.0 24.7 37.1#
58 4581.6 52.6 78.8#



#50
Toluene-d8
Concen: 51.58 ug/l
RT: 10.030 min Scan# 3085
Delta R.T. 0.000 min
Lab File: VN066962.D
Acq: 5 May 2021 2:45

Tgt Ion: 98 Resp: 1056690
Ion Ratio Lower Upper
98 100
100 64.1 50.5 75.7

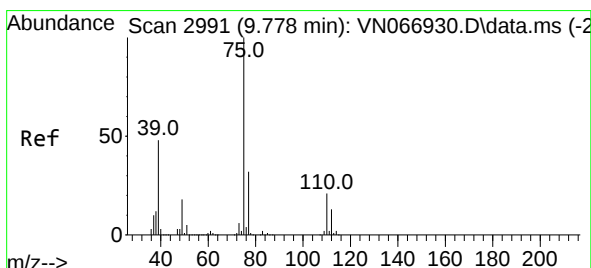
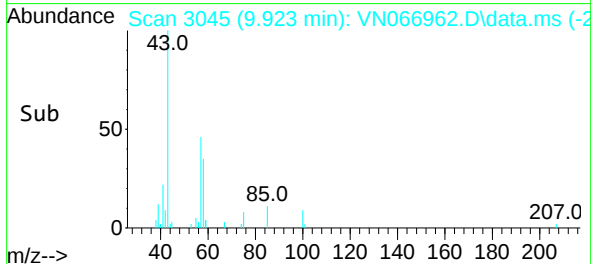
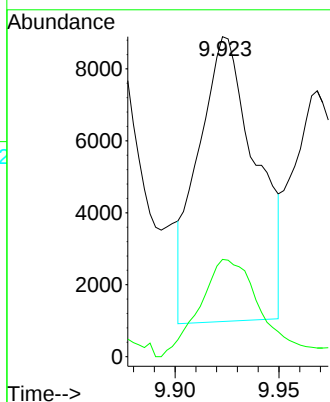
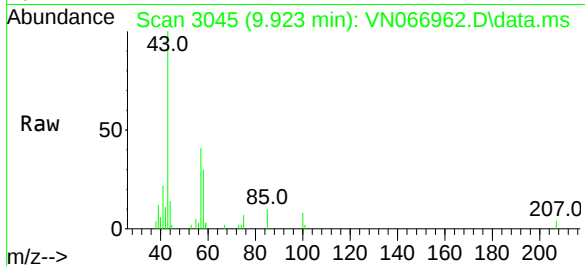




#51
4-Methyl-2-Pentanone
Concen: 1.93 ug/l
RT: 9.923 min Scan# 3045
Delta R.T. -0.000 min
Lab File: VN066962.D
Acq: 5 May 2021 2:45

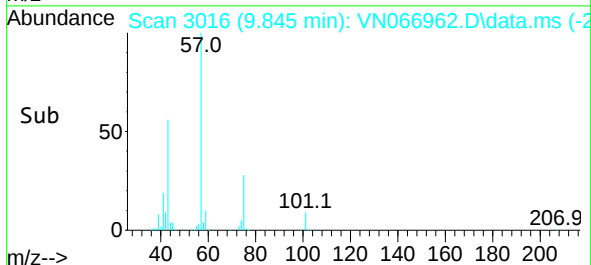
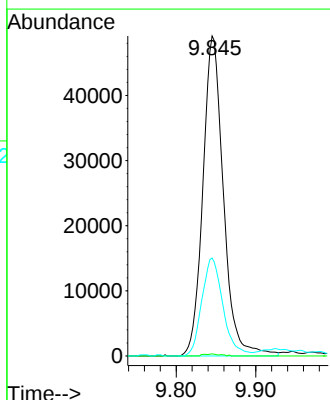
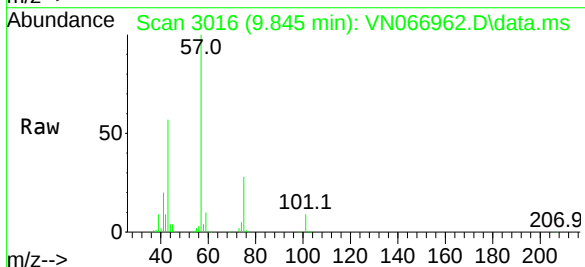
Instrument :
MSVOA_N
ClientSampled :

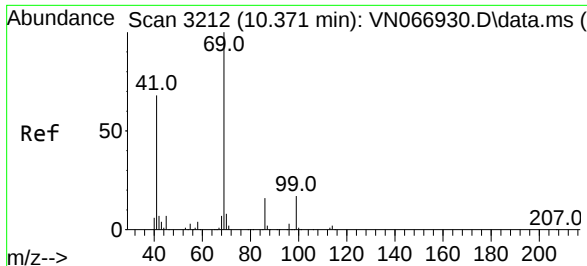
Tgt Ion: 43 Resp: 15233
Ion Ratio Lower Upper
43 100
58 37.3 32.5 48.7



#54
cis-1,3-Dichloropropene
Concen: 8.12 ug/l
RT: 9.845 min Scan# 3016
Delta R.T. 0.067 min
Lab File: VN066962.D
Acq: 5 May 2021 2:45

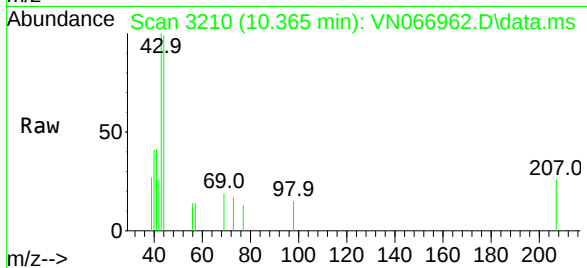
Tgt Ion: 75 Resp: 88157
Ion Ratio Lower Upper
75 100
77 0.6 24.9 37.3#
39 30.6 36.2 54.4#



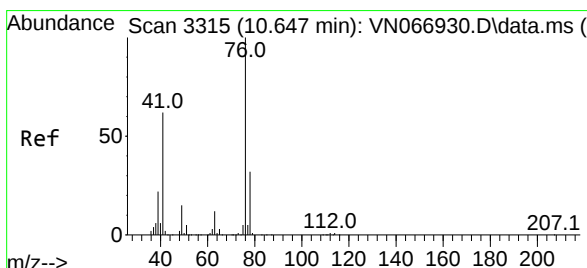
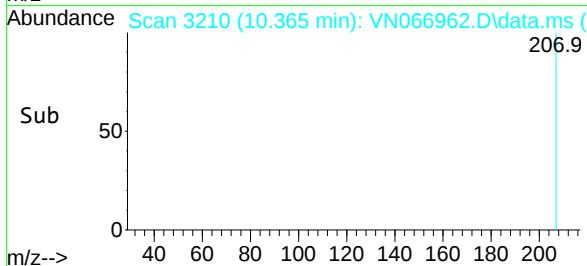
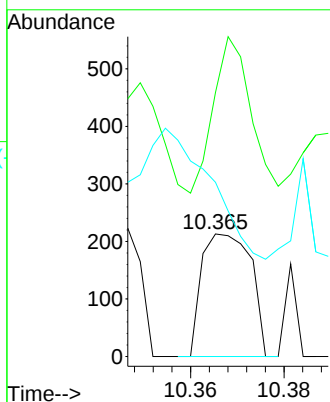


#56
Ethyl methacrylate
Concen: 5.21 ug/l
RT: 10.365 min Scan# 3210
Delta R.T. -0.006 min
Lab File: VN066962.D
Acq: 5 May 2021 2:45

Instrument :
MSVOA_N
ClientSampled :

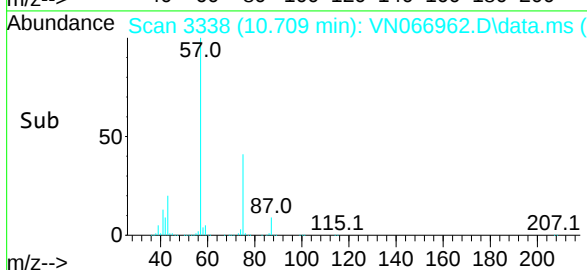
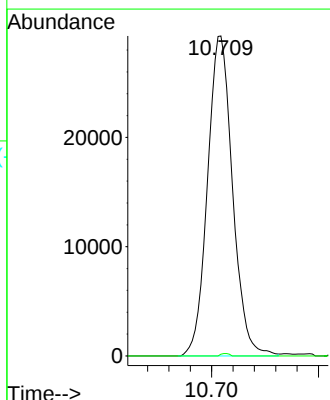
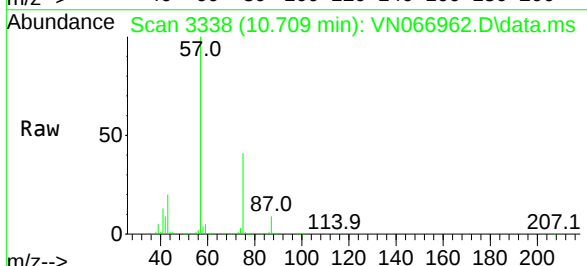


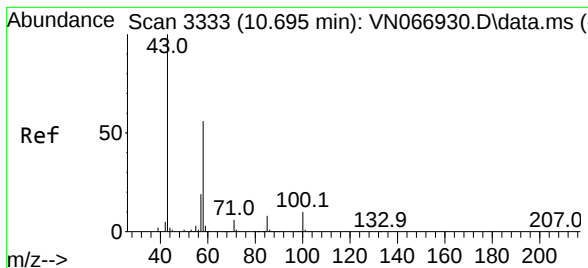
Tgt Ion: 69 Resp: 155
Ion Ratio Lower Upper
69 100
41 0.0 49.6 74.4#
39 0.0 28.0 42.0#



#57
1,3-Dichloropropane
Concen: 4.46 ug/l
RT: 10.709 min Scan# 3338
Delta R.T. 0.062 min
Lab File: VN066962.D
Acq: 5 May 2021 2:45

Tgt Ion: 76 Resp: 47746
Ion Ratio Lower Upper
76 100
78 0.3 25.7 38.5#

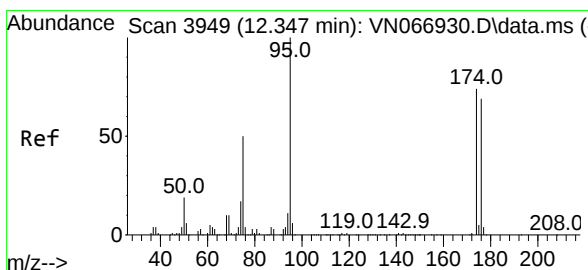
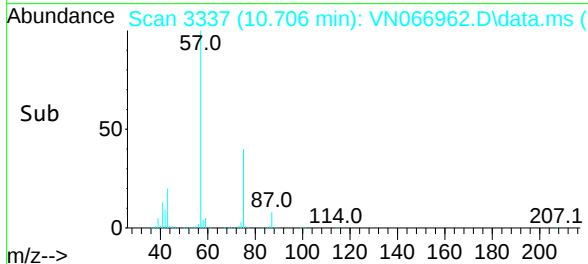
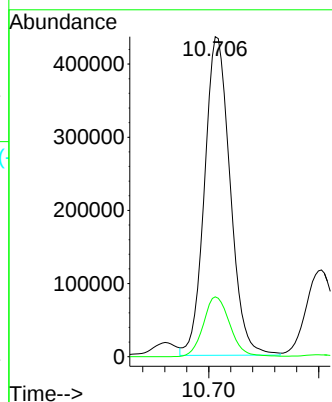
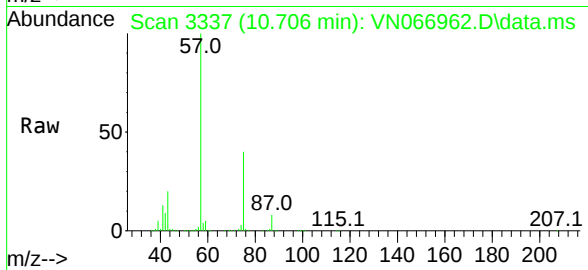




#59
2-Hexanone
Concen: 136.69 ug/l
RT: 10.706 min Scan# 3337
Delta R.T. 0.011 min
Lab File: VN066962.D
Acq: 5 May 2021 2:45

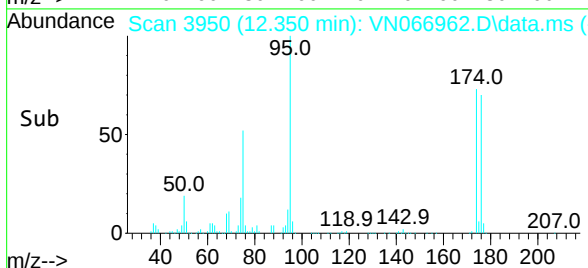
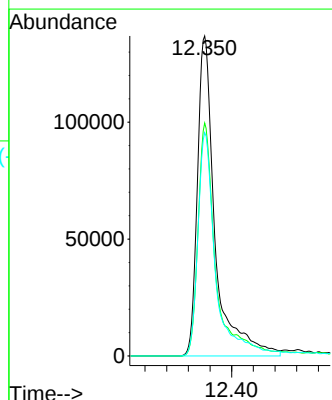
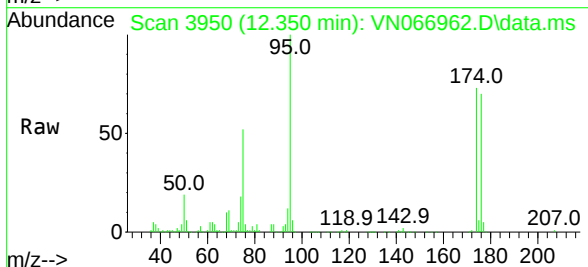
Instrument :
MSVOA_N
ClientSampled :

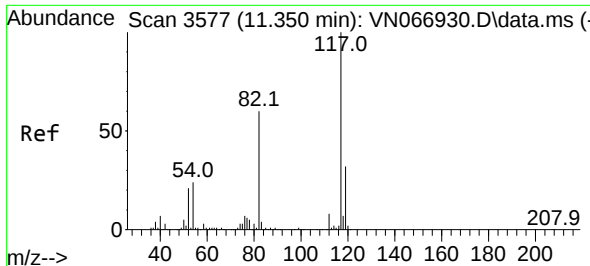
Tgt Ion: 43 Resp: 704555
Ion Ratio Lower Upper
43 100
58 19.6 28.1 84.3#



#62
4-Bromofluorobenzene
Concen: 44.88 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.003 min
Lab File: VN066962.D
Acq: 5 May 2021 2:45

Tgt Ion: 95 Resp: 311317
Ion Ratio Lower Upper
95 100
174 72.2 0.0 169.0
176 68.7 0.0 162.4

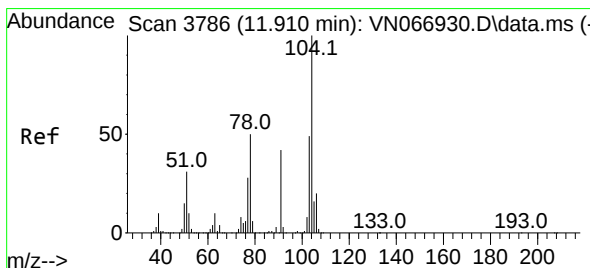
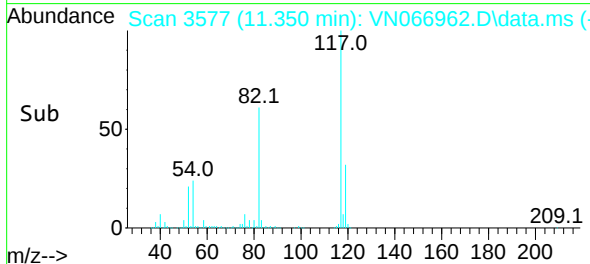
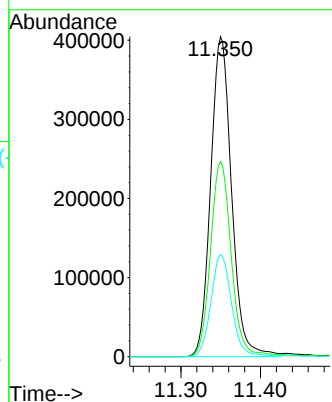
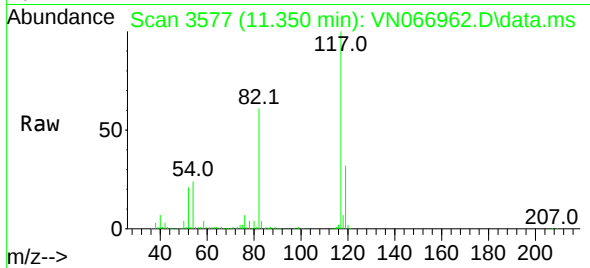




#63
Chlorobenzene-d5
Concen: 50.00 ug/l
RT: 11.350 min Scan# 3577
Delta R.T. -0.000 min
Lab File: VN066962.D
Acq: 5 May 2021 2:45

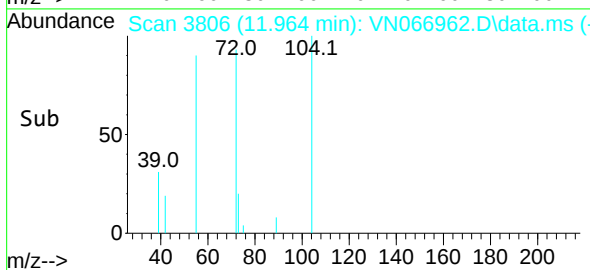
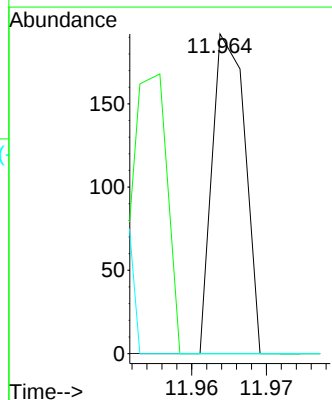
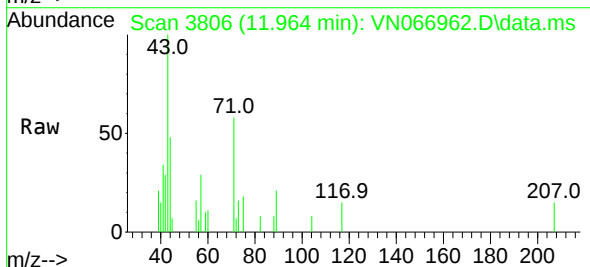
Instrument :
MSVOA_N
ClientSampleId :

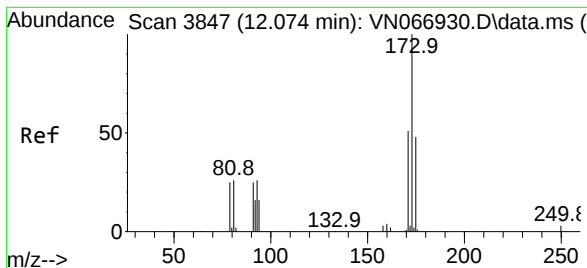
Tgt Ion:117 Resp: 738308
Ion Ratio Lower Upper
117 100
82 61.0 43.7 65.5
119 31.9 26.1 39.1



#70
Styrene
Concen: 4.71 ug/l
RT: 11.964 min Scan# 3806
Delta R.T. 0.054 min
Lab File: VN066962.D
Acq: 5 May 2021 2:45

Tgt Ion:104 Resp: 58
Ion Ratio Lower Upper
104 100
78 91.4 39.0 58.4#
103 87.9 44.5 66.7#





#71

Bromoform

Concen: 0.27 ug/l

RT: 12.345 min Scan# 3948

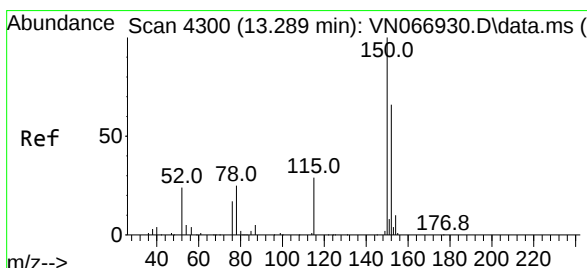
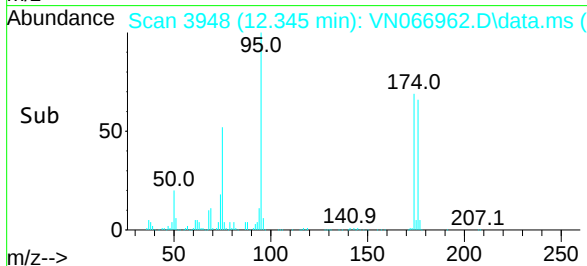
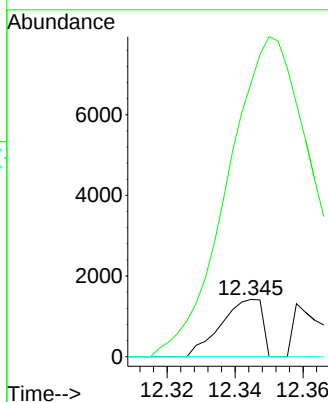
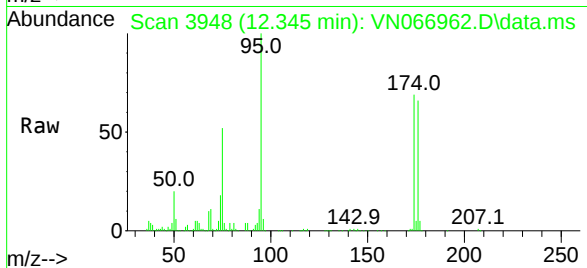
Delta R.T. 0.271 min

Lab File: VN066962.D

Acq: 5 May 2021 2:45

Tgt Ion:	173	Resp:	1201
Ion Ratio	Lower	Upper	
173	100		
175	1023.8	23.8	71.2#
254	0.0	0.0	0.0

Instrument :
MSVOA_N
ClientSampleId :



#72

1,4-Dichlorobenzene-d4

Concen: 50.00 ug/l

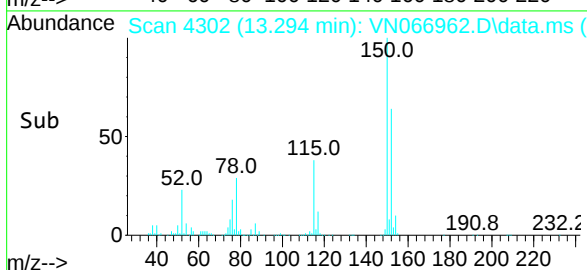
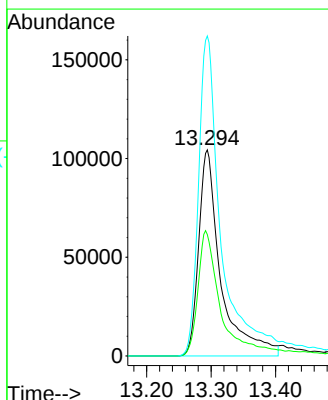
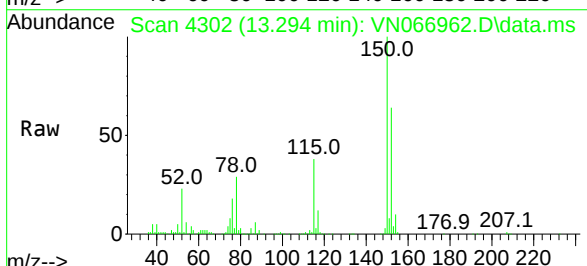
RT: 13.294 min Scan# 4302

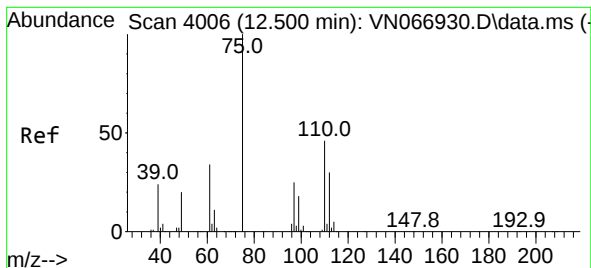
Delta R.T. 0.005 min

Lab File: VN066962.D

Acq: 5 May 2021 2:45

Tgt Ion:	152	Resp:	250111
Ion Ratio	Lower	Upper	
152	100		
115	62.8	28.5	85.6
150	164.2	0.0	347.6

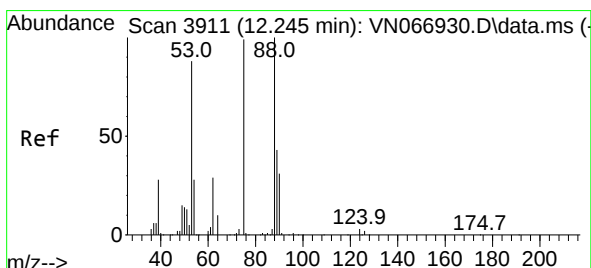
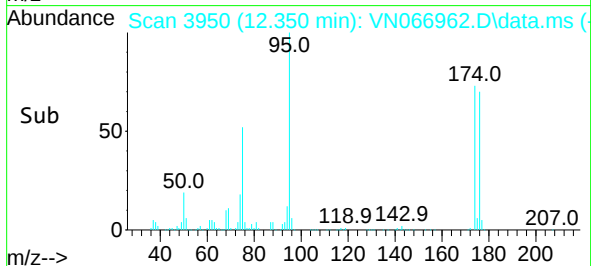
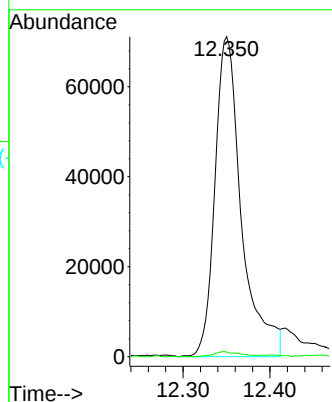
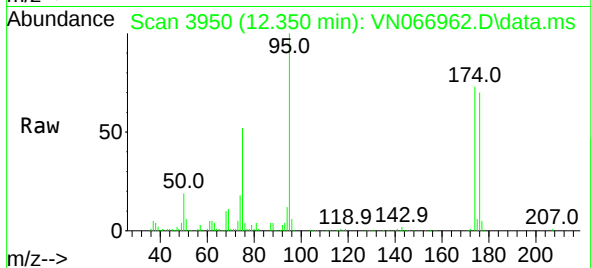




#76
1,2,3-Trichloropropane
Concen: 25.33 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. -0.150 min
Lab File: VN066962.D
Acq: 5 May 2021 2:45

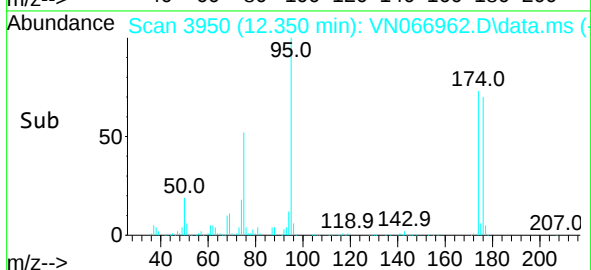
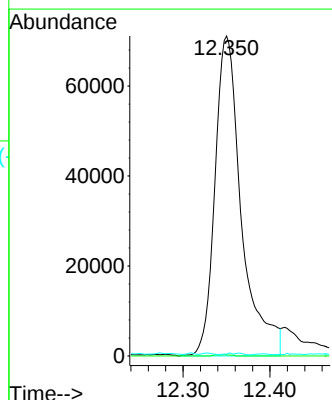
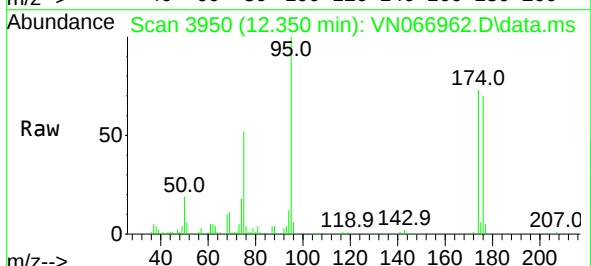
Instrument :
MSVOA_N
ClientSampleId :

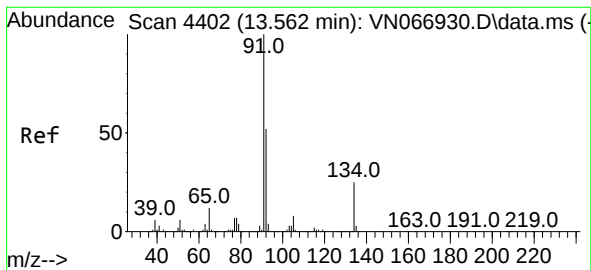
Tgt Ion: 75 Resp: 150896
Ion Ratio Lower Upper
75 100
77 1.6 0.0 0.0#



#81
trans-1,4-Dichloro-2-butene
Concen: 76.14 ug/l
RT: 12.350 min Scan# 3950
Delta R.T. 0.105 min
Lab File: VN066962.D
Acq: 5 May 2021 2:45

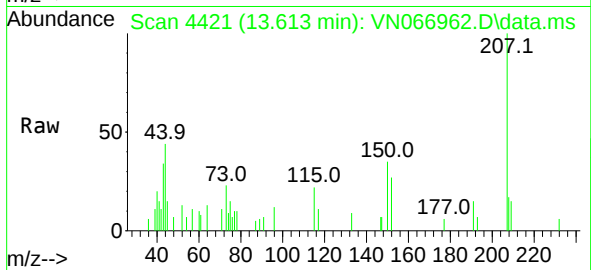
Tgt Ion: 75 Resp: 150896
Ion Ratio Lower Upper
75 100
53 0.2 74.6 111.8#
89 0.1 35.8 53.8#





#89
 n-Butylbenzene
 Concen: 5.24 ug/l
 RT: 13.613 min Scan# 4421
 Delta R.T. 0.051 min
 Lab File: VN066962.D
 Acq: 5 May 2021 2:45

Instrument :
 MSVOA_N
 ClientSampleId :



Tgt Ion: 91 Resp: 55
 Ion Ratio Lower Upper
 91 100
 92 0.0 26.1 78.3#
 134 94.5 13.0 38.9#

